

S9	320	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:03
S10	1889767	valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:04
S11	234	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:04
S12	171616	((static negative regulat\$3) with pressure) same valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:03
S13	706	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:10
S14	351	S5 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:10
S15	188	S8 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:50
S16	2	"6422691".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 08:39

S17	6225	347/1,6,7,84-86,89,92,17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:51
S18	5355	222/165,325,327,576,152,95,103, 630,633,20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:54
S19	1813	137/143,148,150,565,907,7,81.1. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:55
S20	1483	S4 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:55
S21	494	S8 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:56
S22	200	S12 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 09:56
S23	59882	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:04
S24	200252	((static negative regulat\$3) with (air pressure) same valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:03

S25	1291	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:04
S26	163872	(cartridge tank) with (refill\$4 recharg\$3 reuse\$4 remov\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:04
S27	542	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:05
S28	608016	(tube well conduit) with (chamber volume cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:05
S29	263	S28 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 11:06
S30	216	347/92.ccls.	USPAT	OR	OFF	2005/01/18 12:52
S31	1	"5420625".pn.	USPAT	OR	OFF	2005/01/18 12:55
S32	5	"885600".ap.	USPAT	OR	OFF	2005/01/18 12:55
S33	10	("4390574" "4463359" "4638337" "4771295" "4774530" "4791438" "4806032" "4929969" "5182581" "5216450").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/18 12:56
S34	44	("5289212").URPN.	USPAT	OR	OFF	2005/01/18 12:58
S35	14	("3873218" "4301459" "4383263" "4509062" "4571599" "4771295" "4968998" "4992802" "5025271" "5216450" "5289212" "5430471" "5448400" "5557305").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/18 13:07
S36	15	("5801737").URPN.	USPAT	OR	OFF	2005/01/18 13:09

S37	11	("4604633" "4885595" "5040002" "5280300" "5367328" "5426459" "5450112" "5453772" "5539436" "5650811" "5736992").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/18 13:13
S38	8	("6084617").URPN.	USPAT	OR	OFF	2005/01/18 13:15
S39	132418	"222"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 14:52
S40	266229	bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:23
S41	2647	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:23
S42	163872	(cartridge tank) with (refill\$4 recharg\$3 reuse\$4 remov\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:23
S43	319	S41 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:24
S44	57478	(ink\$2jet bubble\$jet) with print\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:26
S45	5	S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:25

S46	71347	(ink\$2jet bubble\$jet) with (print\$3 record\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:26
S47	5	S43 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:26
S48	218200	"137"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:29
S49	43	S44 and S46 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:31
S50	59882	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:32
S51	10004	S44 and S46 and S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:32
S52	4441	S51 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:32
S53	5622022	tube (ink near\$4 path)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:33

S54	0	S52 and "I15"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:33
S55	6208830	tube near\$3 air	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:33
S56	3522	S52 and S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:43
S57	2	"4591875".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 13:43
S58	1	1986-155637.NRAN.	DERWENT	OR	OFF	2005/01/18 13:43
S59	4	("3831727" "3929071" "4005435" "4399446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/18 13:43
S60	32	("4591875").URPN.	USPAT	OR	OFF	2005/01/18 13:44
S61	20	("4568954" "4771298" "4841310" "5103243" "5365262" "5408256" "5435961" "5448275" "5610644" "5619239" "5642144" "5659345" "5663753" "5666146" "5671001" "5680164" "5684521" "5719609" "5917523" "5958342").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/18 14:00
S62	0	("6183072").URPN.	USPAT	OR	OFF	2005/01/18 14:04
S63	678	347/87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/18 14:53

S65	678	347/87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:06
S66	4435	347/84-87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:07
S67	2	"5040002".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:09
S68	11699303	(pressure near\$3 (regulat\$3 control\$4 drop\$3 negative))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:11
S69	6231791	(air near\$3 vent\$3) near\$3 valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:12
S70	4199	347/85-87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 09:15
S71	4199	347/85-87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:40
S72	28745	(air atmosphere ambien\$4) with (inlet or vent\$3 port) with (cartridge container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:41

S73	718	S71 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:41
S74	12995	(air atmosphere ambien\$4) with (inlet) with (cartridge container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:42
S75	12995	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:42
S76	12995	S72 and S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:42
S77	718	S72 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:42
S78	143	S76 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/19 14:43
S79	4203	347/85-87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 06:50
S80	28757	(air atmosphere ambien\$4) with (inlet or vent\$3 port) with (cartridge container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 06:51

S81	720	S79 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 06:51
S82	13001	(air atmosphere ambiens\$4) with (inlet) with (cartridge container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 06:52
S83	144	S79 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 06:53
S84	4	("5495877" "5581287" "5877793" "6120138").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/21 07:45
S85	6	("6273151").URPN.	USPAT	OR	OFF	2005/01/21 07:46

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4435	347/84-87.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:16
S2	100466	(air atmospher\$2 ambien\$4) with (inlet vent\$3 port tub\$3) with (cartridge container tank reservoir)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:55
S3	11251	(adjust\$4 regulat\$3 control\$4) with ((back\$2pressure) (back adj pressure)) with (valv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:03
S4	30	S1 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:21
S5	13923	(adjust\$4 regulat\$3 control\$4) with ((back\$2pressure) (back adj pressure)) same (valv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:41
S6	61	S1 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:29
S7	22642	(adjust\$4 regulat\$3 control\$4) with ((back\$2pressure) (back adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:56
S8	1277	S2 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:42

S9	117	S1 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:43
S10	1903887	valv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:43
S11	77	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:44
S12	46451	(air atmospher\$2 ambien\$4) with (inlet vent\$3 port tub\$3) with (cartridge container tank reservoir) same valv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:55
S13	77943	((back\$2pressure) (back adj pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 14:06
S14	317	S1 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:57
S15	69	S13 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 13:57
S16	694922	((back\$2pressure) (back adj pressure)) ((negative adj pressure) (negative\$2pressure)) ((under adj pressure) (under\$2pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 14:09

S17	297144	S10 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 14:10
S18	863	S1 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 14:10
S19	125	S7 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/24 14:10
S20	0	("2003/0020794").URPN.	USPAT	OR	OFF	2005/01/24 14:54
S21	1	"6719418".pn.	USPAT	OR	OFF	2005/01/24 14:54
S22	1	"4992802".pn.	USPAT	OR	OFF	2005/01/24 15:06
S23	4438	347/84-87.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:03
S24	29773	(adjust\$4 regulat\$3 control\$4) with ((back\$2pressure) (back adj pressure) (back near\$3 pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:24
S25	158518	(tank cartridge container) with (inlet open\$3 vent\$3) same (air atmospher\$2 ambien\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:23
S26	331172	(leak seep\$3 drip\$4 discharge) with (ink fluid liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:09
S27	416725	(leak\$3 seep\$3 drip\$4 discharge) with (ink fluid liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:22

S28	1167	S23 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:10
S29	928	S27 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:10
S30	53	S24 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:12
S31	32	S30 and valv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:13
S32	96663	(leak\$3 seep\$3 drip\$4 discharge) with (ink fluid liquid) same (tank cartridge container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:22
S33	1640	S23 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:22
S34	1354197	(inlet open\$3 vent\$3) same (air atmospher\$2 ambien\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:23
S35	1084	S33 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:23

S36	573	S35 and valv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:23
S37	120244	(back\$2pressure) (back adj pressure) (back near3 pressure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:24
S38	131	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/25 08:24